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**1. Decoding population codes**

Wilson, R.C.; Ludtke, N.;  
Pattern Recognition, 2000. Proceedings. 15th International Conference on  
Volume 2, 3-7 Sept 2000 Page(s):137 - 140 vol.2

IEEE CNF

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tributed **population code**. In this model, several **neurons** with the same or similar convolution. properties firing probabilistically in response to the input ...

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**Neuron**, Vol. 46, 493–504, May 5, 2005, Copyright ©2005 by Elsevier Inc.

DOI 10.1016/j.neuron.2005.03.026. Redundancy in the **Population Code** of the Retina ...

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How can a downstream **neuron** make sense of such a complex population message?

Unlike the neurophysiologist, a downstream **neuron** that receives this complex ...

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is the response of the **neuron**. The. full **population code** is given by.  $\vec{O} = \vec{O} \cdot \mu$ .

$\vec{I}$ . If the tuning. curve is translation invariant (a condition which is ...

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activity of multiple **neurons**. Ó 2003 Elsevier Science Ltd. All rights reserved.

Keywords: Stereo vision; **Population code**; Spatial frequency pooling; ...

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**Population code** Many sensory receptors respond to single aspect of stimulus, ...

Each hair open at tip and contains dendrites of 4 chemoreceptive **neurons** ...

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signals. • We need to measure the responses of multiple **neurons** and. ask two

questions. 1. What is the **population code** for the speed and direction ...

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**Abstract: Properties of a temporal population code**

... of the instantaneous firing rate averaged over a whole population of **neurons**.

... The temporal **population code** generated by the network is intrinsically ...  
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